

### ABSTRACT

Events that occur in a number of in domain communication channels where each channel is used by a communication service, are detected. A Bayesian Belief Network (BBN) defines a probabilistic cause-effect relationship between each cause and each effect on a victim channel. The probability of each of a number of possible causes as being a cause of interference in the victim channel is determined, by propagating observations of the interference backwards through the BBN.

CONFIDENTIAL